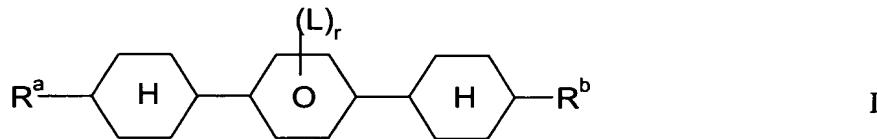


This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Presented): A liquid-crystalline medium, comprising two or more liquid crystal compounds wherein at least one compound is of formula I



wherein

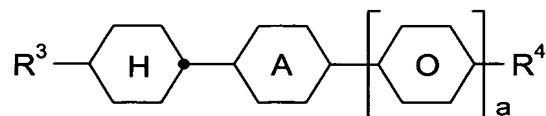
$R^a$  is an alkenyl group having from 2 to 9 carbon atoms,

$R^b$  is alkenyl with 2 to 9 carbon atoms,

$L$  is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

$r$  is 0, 1, 2, 3 or 4; and

said mixture further comprises at least one compound of the formula



in which

$A$  is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

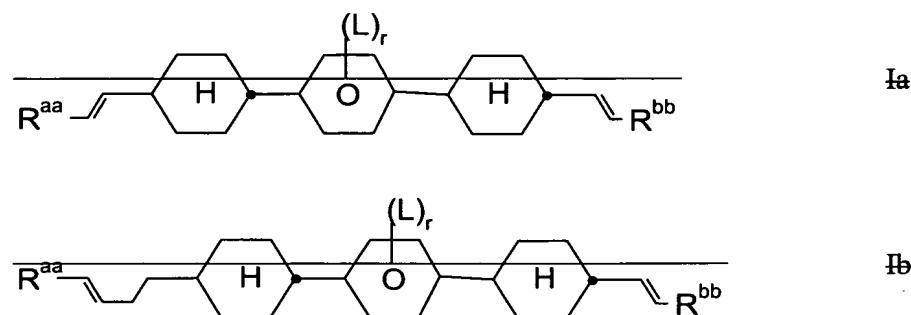
R<sup>3</sup> is an alkenyl group having from 2 to 9 carbon atoms, and

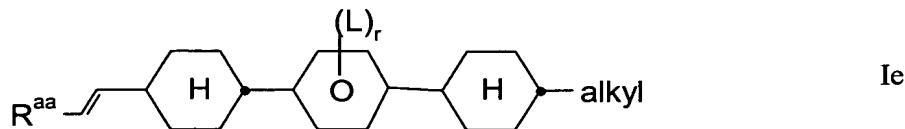
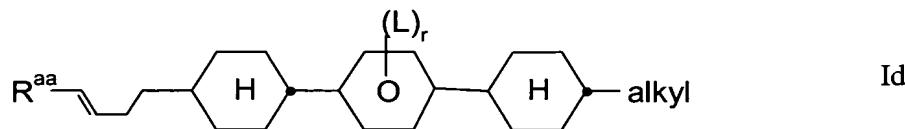
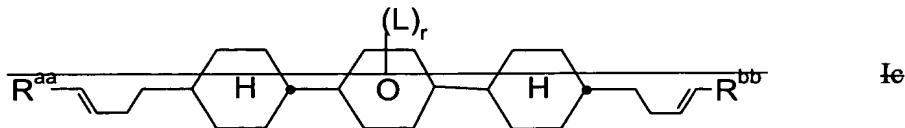
R<sup>4</sup> is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, and wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -S-, -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another.

2. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium comprises at least one compound of formula I in which the phenyl ring is substituted by L in 2- and 3-position or in 3- and 5-position or in 2- and 6-position.

3. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium comprises at least one compound of formula I wherein L is F, Cl, CN, CF<sub>3</sub>, OCF<sub>3</sub> or OCH<sub>3</sub>.

4. (Currently Amended): A liquid-crystalline medium according to claim 1, wherein said medium further comprises at least one compound of formula I selected from the following formulae

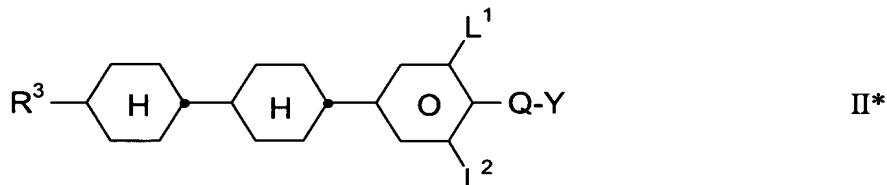




wherein  $R^{aa}$  is and  $R^{bb}$  are independently of each other H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub> and alkyl is an alkyl group with 1 to 8 carbon atoms.

5. (Cancelled):

6. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium further comprises at least one compound of formula II\*



wherein

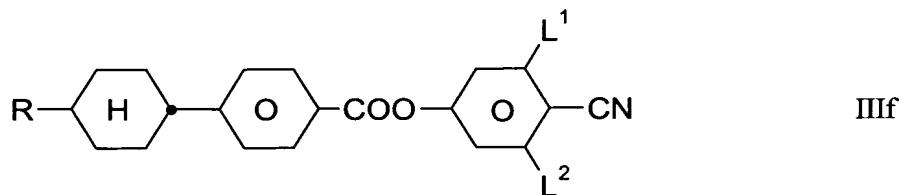
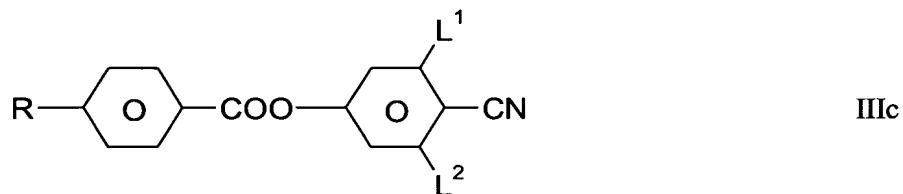
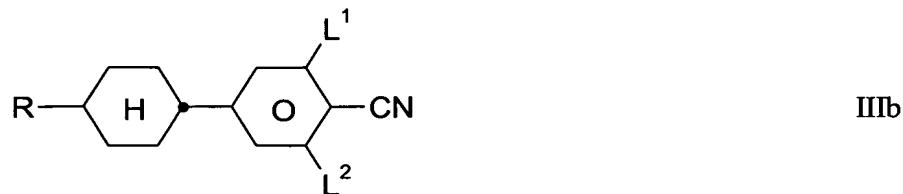
$R^3$  is an alkenyl group with 2 to 7 carbon atoms,

Q is CF<sub>2</sub>, OCF<sub>2</sub>, CFH, OCFH or a single bond,

Y is F or Cl, and

$L^1$  and  $L^2$  are independently of each other H or F.

7. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium further comprises at least one compound selected from the following formulae

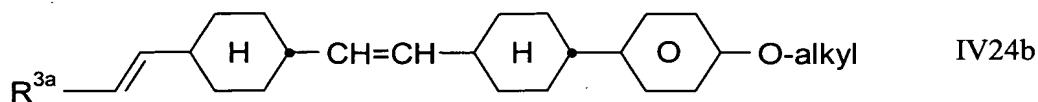
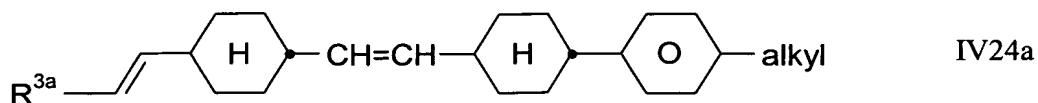


wherein

$R$  is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, - $CH=CH$ -, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

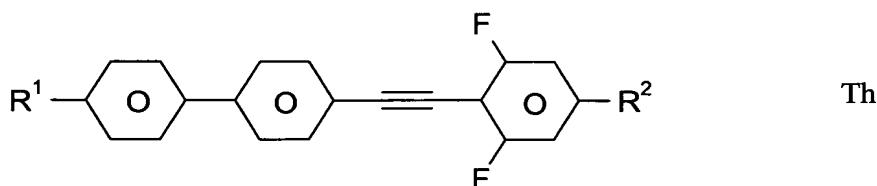
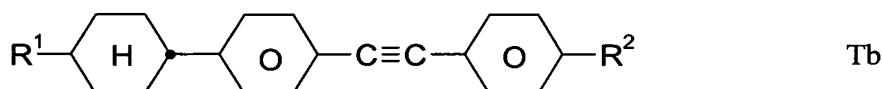
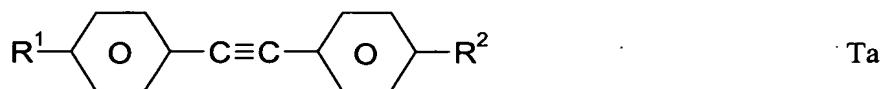
$L^1$  and  $L^2$  are independently of each other H or F.

8. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium further comprises at least one compound selected from the following formulae



wherein R<sup>3a</sup> is H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub> and alkyl is an alkyl group with 1 to 8 carbon atoms.

9. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium further comprises at least one compound selected from the following formulae

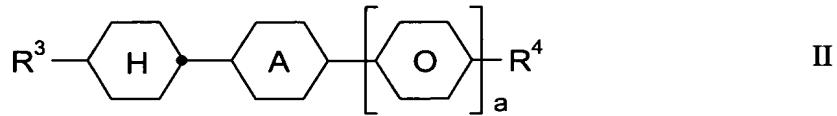


wherein

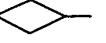
R<sup>1</sup> and R<sup>2</sup> are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another.

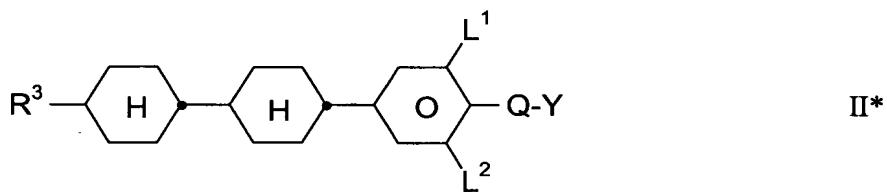
10. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium comprises:

- one or more compounds of formula I;
- one or more compounds selected from formulae II,



in which

- A is 1,4-phenylene or trans-1,4-cyclohexylene,
- a is 0 or 1,
- $R^3$  is an alkenyl group having from 2 to 9 carbon atoms, and
- $R^4$  is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or  $CF_3$  or at least monosubstituted by halogen, and wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, -S-,  , - $CH=CH$ - , - $C\equiv C$ - , -CO- , -CO-O- , -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another;
- optionally one or more compounds of formula II\*,



wherein

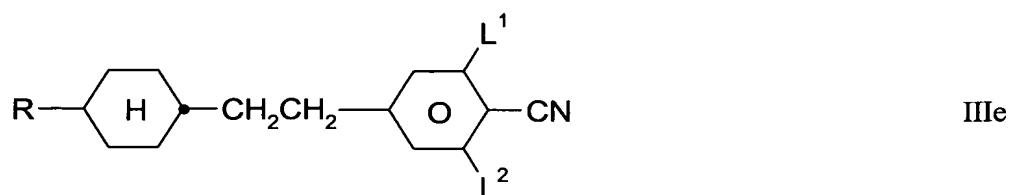
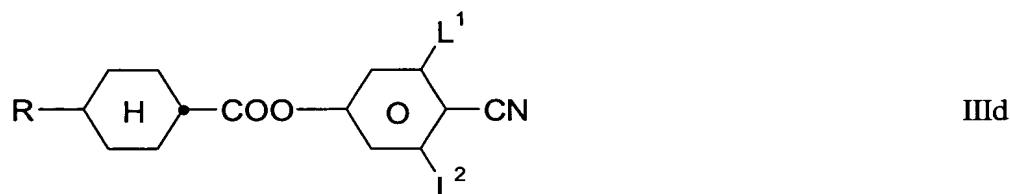
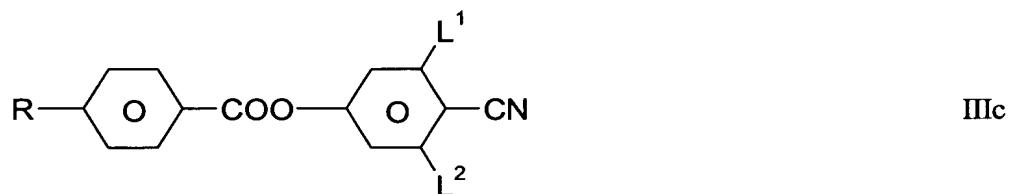
- $R^3$  is an alkenyl group with 2 to 7 carbon atoms,

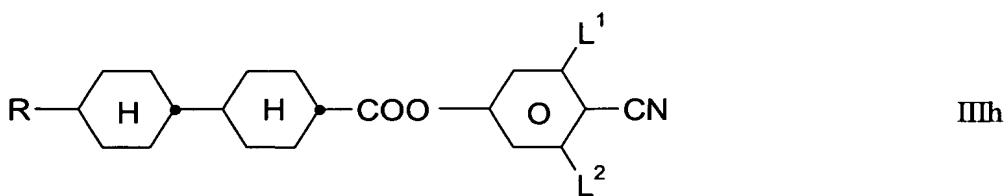
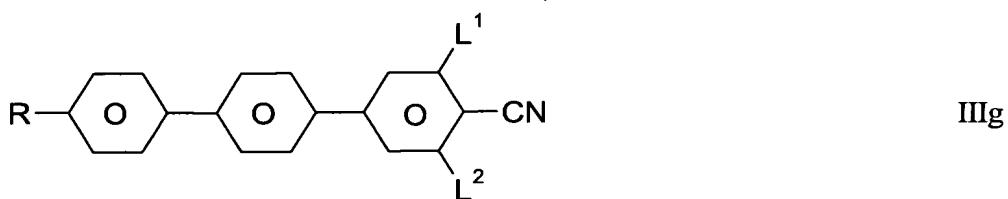
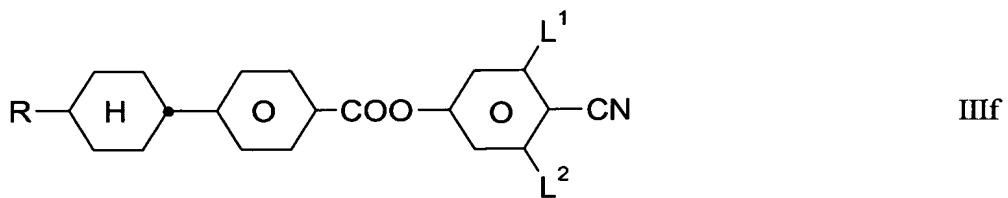
Q is  $\text{CF}_2$ ,  $\text{OCF}_2$ ,  $\text{CFH}$ ,  $\text{OCFH}$  or a single bond,

Y is F or Cl, and

$L^1$  and  $L^2$  are independently of each other H or F;

- one or more compounds selected from formulae IIIa-IIIh,



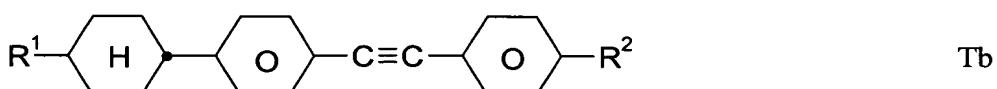
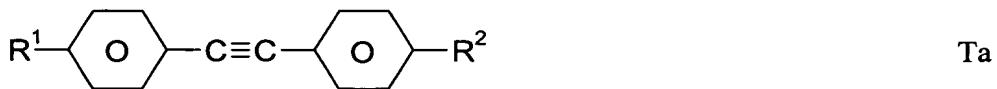


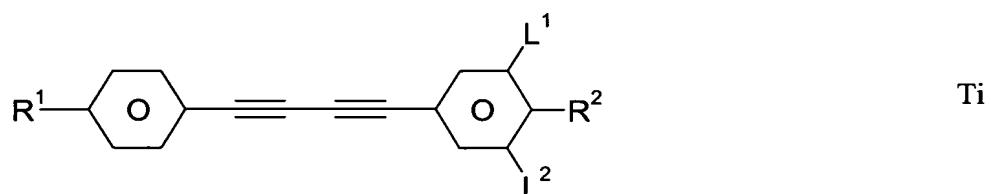
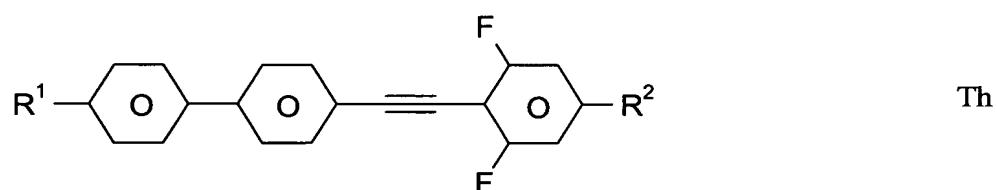
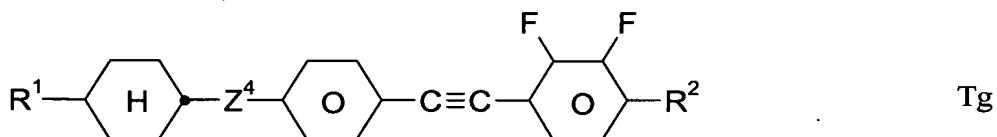
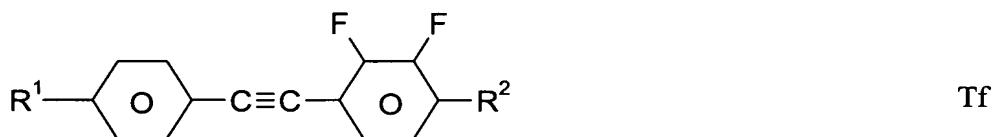
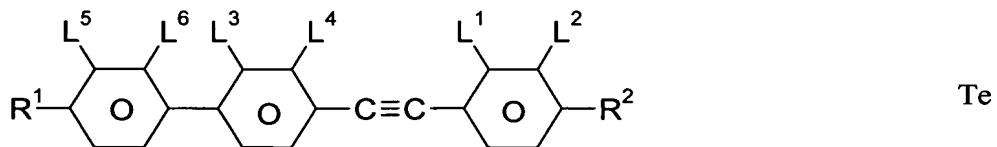
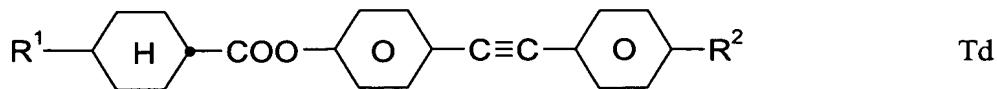
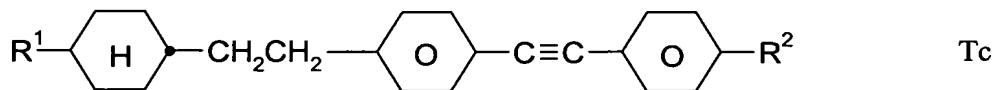
wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

$L^1$ ,  $L^2$  and  $L^3$  are independently of each other H or F;

- one or more compounds selected of formulae Ta-Ti,





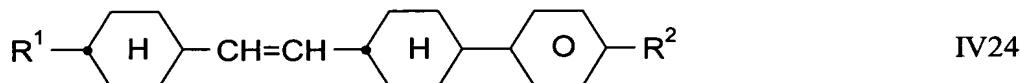
wherein

$\text{R}^1$  and  $\text{R}^2$  are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more  $\text{CH}_2$  groups are each, independently of one another, optionally replaced by  $-\text{O}-$ ,  $-\text{CH}=\text{CH}-$ ,  $-\text{CO}-$ ,  $-\text{OCO}-$  or  $-\text{COO}-$  in such a way that O atoms are not linked directly to one another,

$Z^4$  is -CO-O-, -CH<sub>2</sub>CH<sub>2</sub>- or a single bond, and

$L^1$  to  $L^6$  are independently of each other H or F; and

- optionally one or more compounds of formula IV24

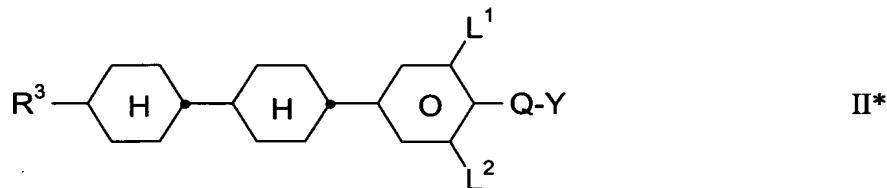
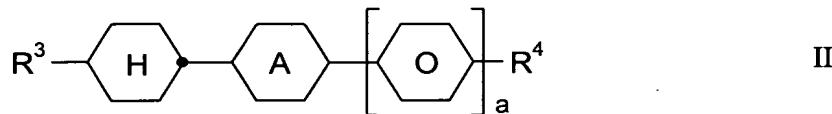


wherein

$R^1$  and  $R^2$  are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another

11. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium comprises

- 5 to 30 % of compounds of formula I;
- 10 to 50 % of compounds selected from formula II and II\*,



in which

A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R<sup>3</sup> in formula II is an alkenyl group having from 2 to 9 carbon atoms,

R<sup>3</sup> in formula II\* is an alkenyl group with 2 to 7 carbon atoms,

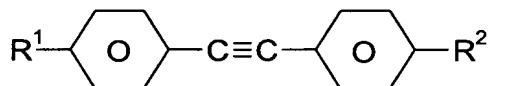
R<sup>4</sup> is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, and wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -S-, ——, -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

Q is CF<sub>2</sub>, OCF<sub>2</sub>, CFH, OCFH or a single bond,

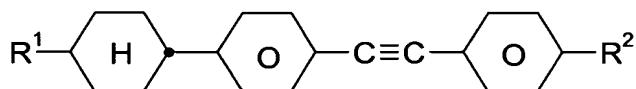
Y is F or Cl, and

L<sup>1</sup> and L<sup>2</sup> are independently of each other H or F;

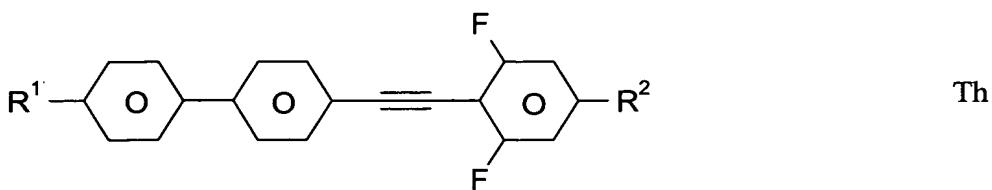
- 7 to 45 % of compounds selected formula Ta, Tb and Th,



Ta



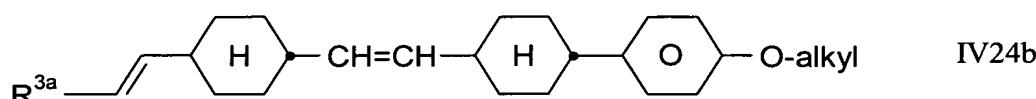
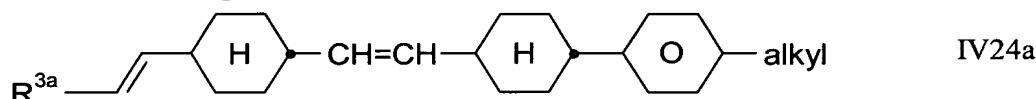
Tb



wherein

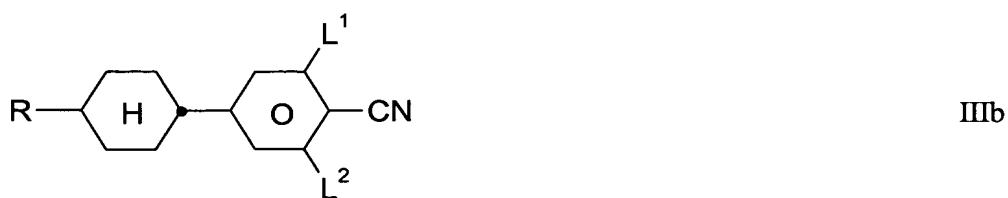
$R^1$  and  $R^2$  are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, - $CH=CH$ -, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another;

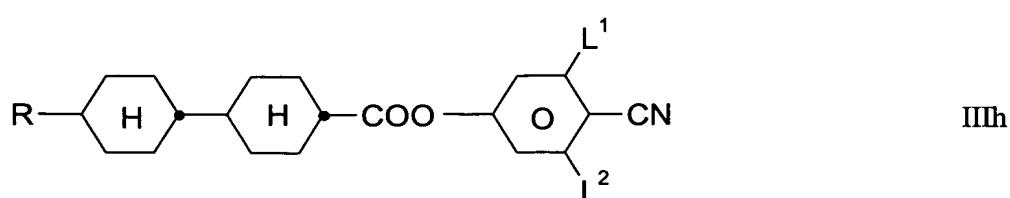
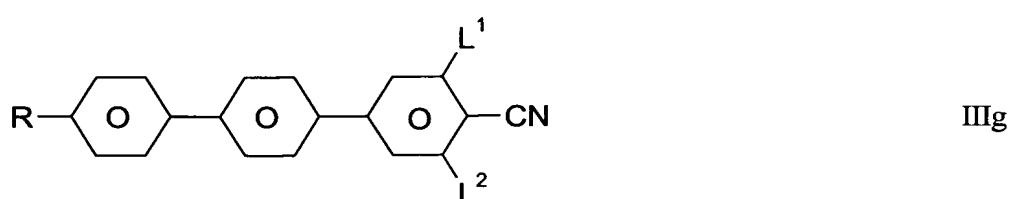
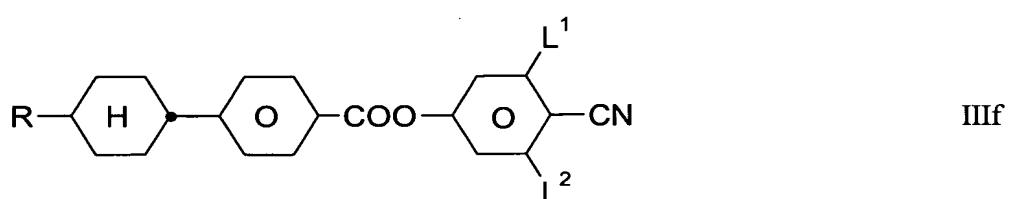
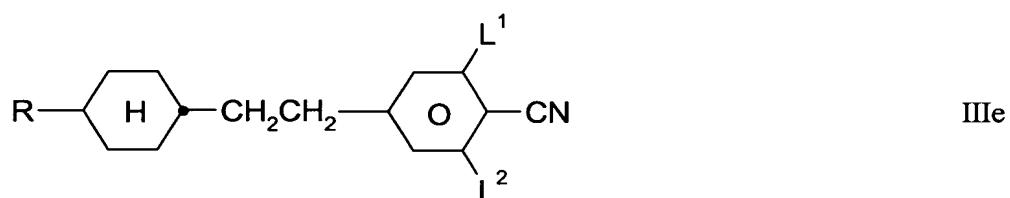
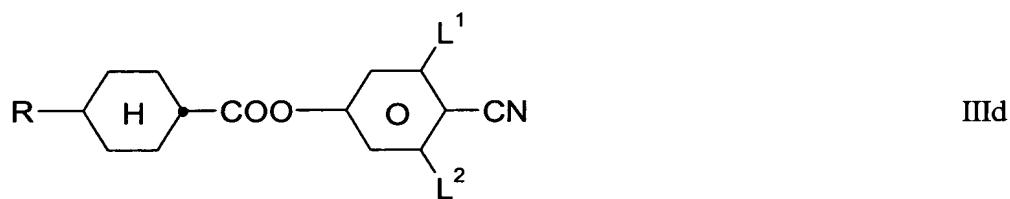
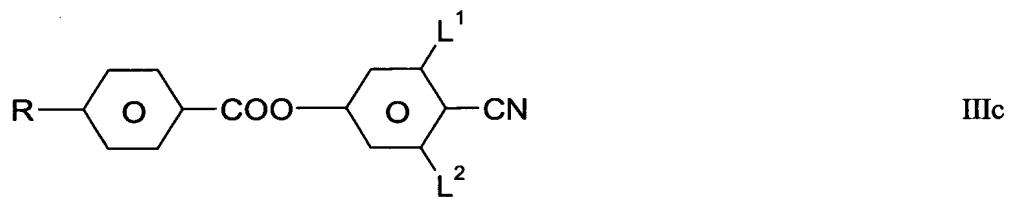
- 2 to 25 % of compounds selected from formula IV24a and IV24b,



wherein  $R^{3a}$  is H,  $CH_3$ ,  $C_2H_5$  or  $n-C_3H_7$  and alkyl is an alkyl group with 1 to 8 carbon atoms; and

- 8 to 40 % of compounds selected from formulae IIIa to IIIh





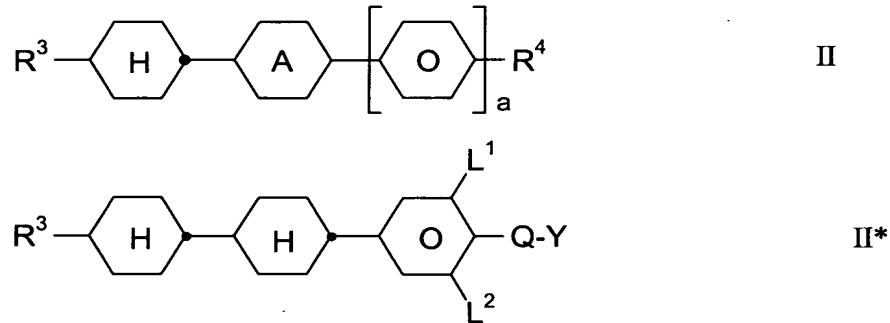
wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

L<sup>1</sup>, L<sup>2</sup> and L<sup>3</sup> are independently of each other H or F.

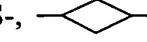
12. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein said medium comprises

- 6 to 20 % of compounds of formula I;
- 10 to 40 % of compounds selected from formula II and II\*,



in which

- A is 1,4-phenylene or trans-1,4-cyclohexylene,
- a is 0 or 1,
- R<sup>3</sup> in formula II is an alkenyl group having from 2 to 9 carbon atoms,
- R<sup>3</sup> in formula II\* is an alkenyl group with 2 to 7 carbon atoms,

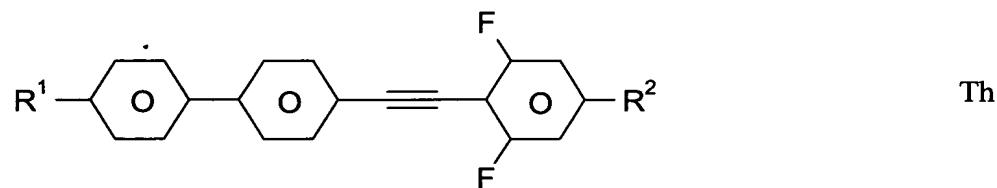
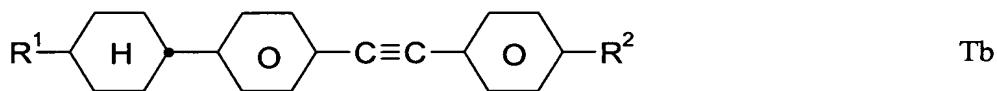
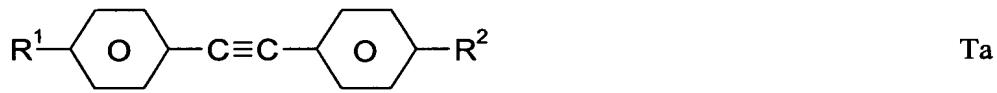
$R^4$  is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or  $CF_3$  or at least monosubstituted by halogen, and wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, -S-,  , - $CH=CH$ - , - $C\equiv C$ - , -CO- , -CO-O- , -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

Q is  $CF_2$ ,  $OCF_2$ ,  $CFH$ ,  $OCFH$  or a single bond,

Y is F or Cl, and

$L^1$  and  $L^2$  are independently of each other H or F;

- 10 to 30 % of compounds selected from formula Ta, Tb and Th,

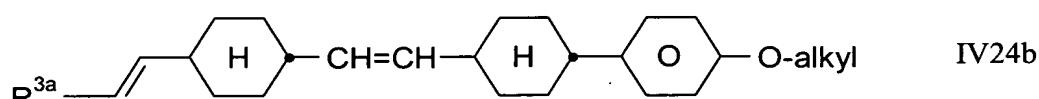
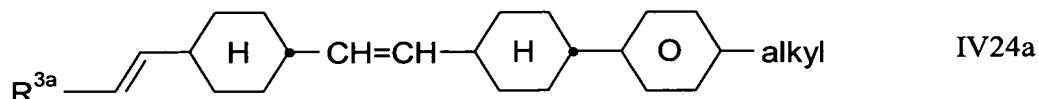


wherein

$R^1$  and  $R^2$  are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more  $CH_2$  groups are each, independently of one another,

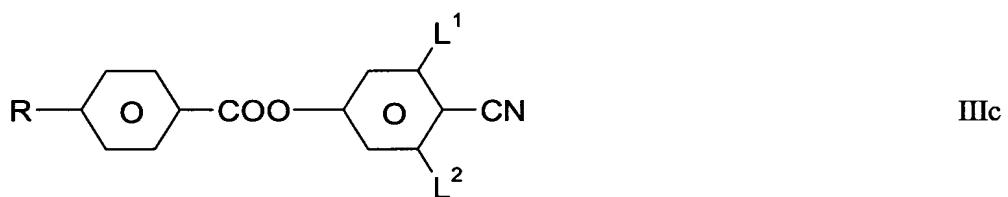
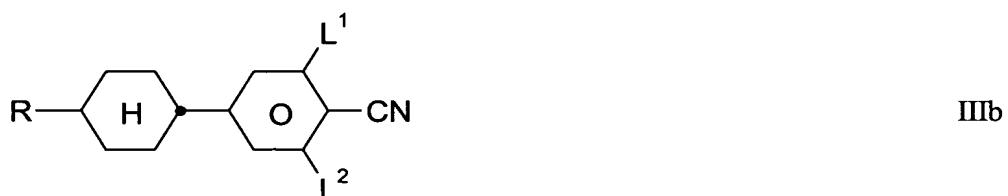
optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another;

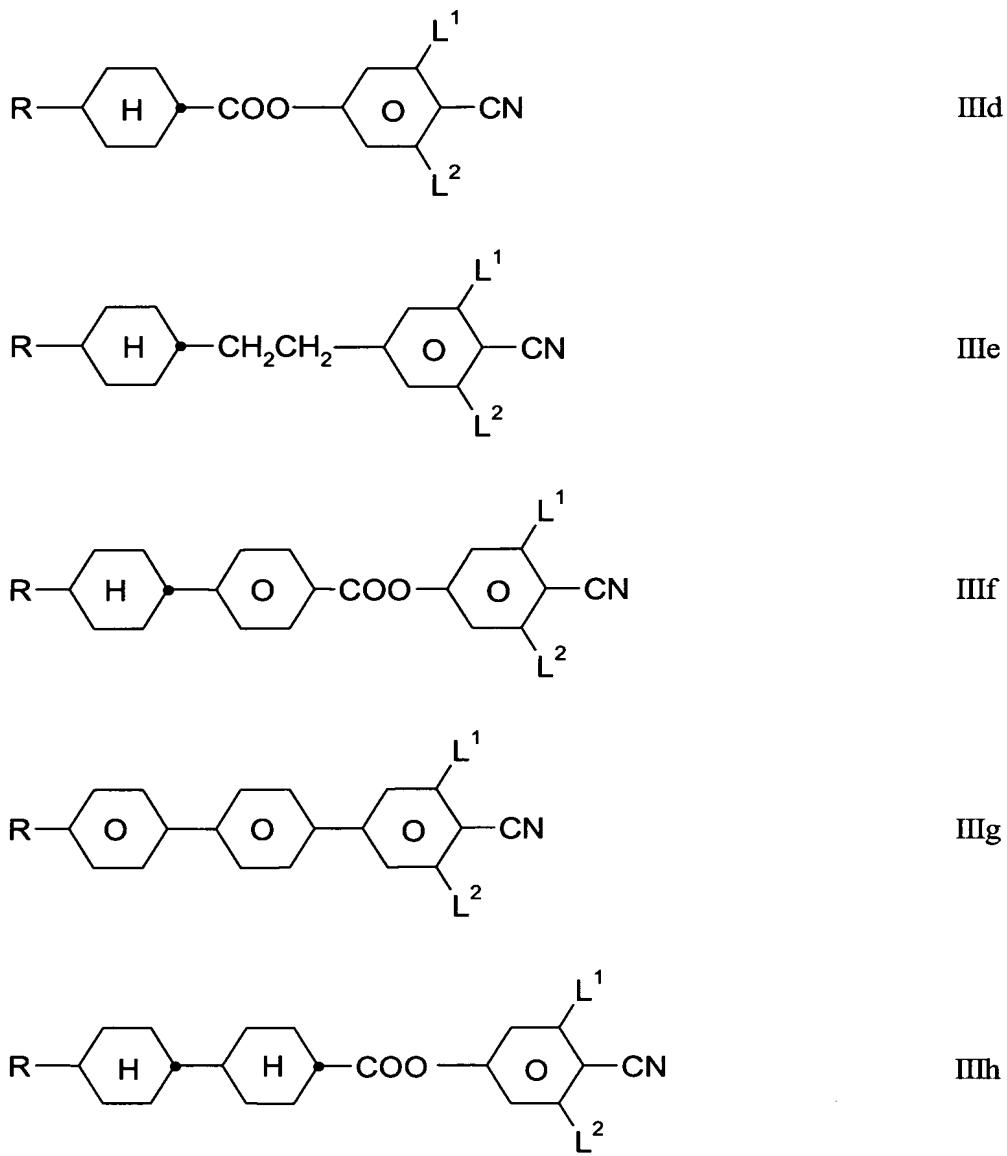
- 3 to 20 % of compounds selected from formula IV24a and IV24b,



wherein R<sup>3a</sup> is H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub> and alkyl is an alkyl group with 1 to 8 carbon atoms; and

- 10 to 30 % of compounds selected from formulae IIIa to IIIh



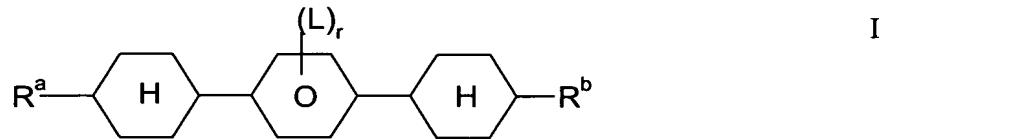


wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

$L^1$ ,  $L^2$  and  $L^3$  are independently of each other H or F.

13. (Previously Presented): A liquid-crystalline compound of formula I



wherein

$R^a$  is an alkenyl group having from 2 to 9 carbon atoms,

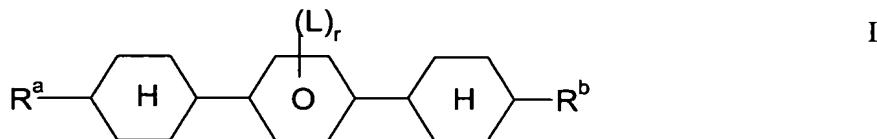
$R^b$  is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or  $CF_3$  or at least monosubstituted by halogen, and wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, -S-, - $CH=CH$ -, - $C\equiv C$ -, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

$L$  is, in each occurrence independently, F, Cl, CN or a mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

$r$  is 2,

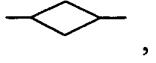
wherein the phenyl ring is substituted by  $L$  in 3- and 5-position.

14. (Currently Amended): A liquid-crystalline compound of formula I



wherein

$R^a$  is an alkenyl group having from 2 to 9 carbon atoms,

$R^b$  is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or  $CF_3$  or at least monosubstituted by halogen, and wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, -S-, - $CH=CH$ -, - $C\equiv C$ -, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another, 

$L$  is F, Cl, CN,  $CF_3$ ,  $OCF_3$  or  $OCH_3$ , and

$r$  is 0, 1, 2, 3 or 4,

wherein the phenyl ring is substituted by  $L$  in at least the 3- and 5-positions.

15. (Previously Presented): An electro-optical liquid-crystal display containing a liquid-crystalline medium according to claim 1.

16. (Previously Presented): An electro-optical liquid-crystal display containing a liquid-crystalline compound according to claim 13.

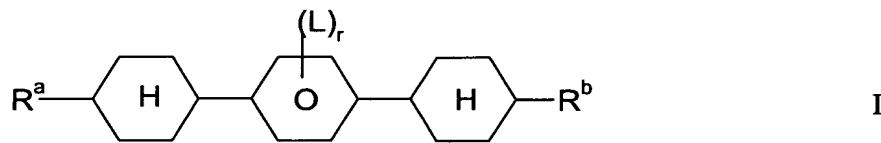
17. (Previously Presented): A TN or STN liquid-crystal display comprising:

- two outer plates, which, together with a frame, form a cell,
- a nematic liquid-crystal mixture of positive dielectric anisotropy located in the cell,
- electrode layers with alignment layers on the insides of the outer plates,
- a tilt angle between the longitudinal axis of the molecules at the surface of the outer plates and the outer plates of 0 to 30 degrees, and
- a twist angle of the liquid-crystal mixture in the cell from alignment layer to alignment layer with a value of  $22.5^\circ$  -  $600^\circ$ , and
- a nematic liquid-crystal mixture comprising

- a) 15 – 75% by weight of a liquid-crystalline component A consisting of one or more compounds having a dielectric anisotropy of greater than +1.5;
- b) 25 – 85% by weight of a liquid-crystalline component B consisting of one or more compounds having a dielectric anisotropy of between -1.5 and +1.5;
- c) 0 – 20% by weight of a liquid-crystalline component D consisting of one or more compounds having a dielectric anisotropy of below -1.5, and
- d) if desired, an optically active component C in such an amount that the ratio between the layer thickness and the natural pitch of the chiral nematic liquid-crystal mixture is from about 0.2 to 1.3,

wherein said nematic liquid-crystal mixture is as defined in claim 1.

18. (Previously Presented): A liquid-crystalline medium comprising two or more liquid crystal compounds wherein at least one compound is of formula I



wherein

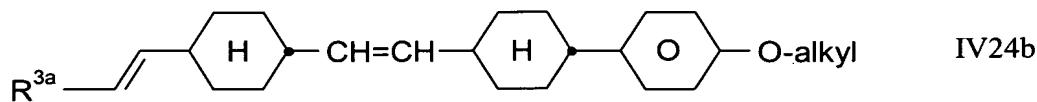
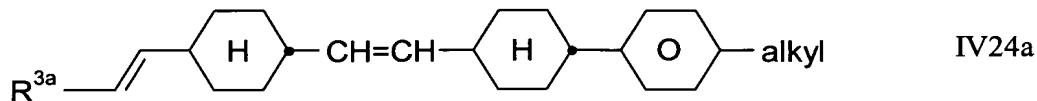
$R^a$  is an alkenyl group having from 2 to 9 carbon atoms,

$R^b$  is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or  $CF_3$  or at least monosubstituted by halogen, and wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, -S-, ——, - $CH=CH$ -, - $C\equiv C$ -, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

$L$  is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

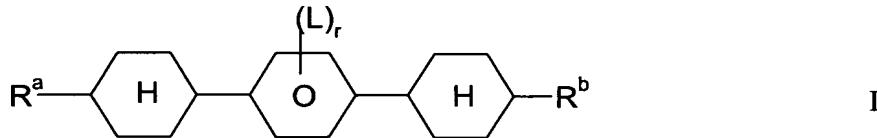
r is 0, 1, 2, 3 or 4; and

said medium further comprises at least one compound selected from the following formulae



wherein R<sup>3a</sup> is H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub> and alkyl is an alkyl group with 1 to 8 carbon atoms.

19. (Currently Amended): A liquid-crystalline medium comprising: ~~two or more liquid crystal compounds wherein~~  
at least one compound is of formula I



wherein

R<sup>a</sup> is an alkenyl group having from 2 to 9 carbon atoms,

R<sup>b</sup> is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, and wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -S-, ——, -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked

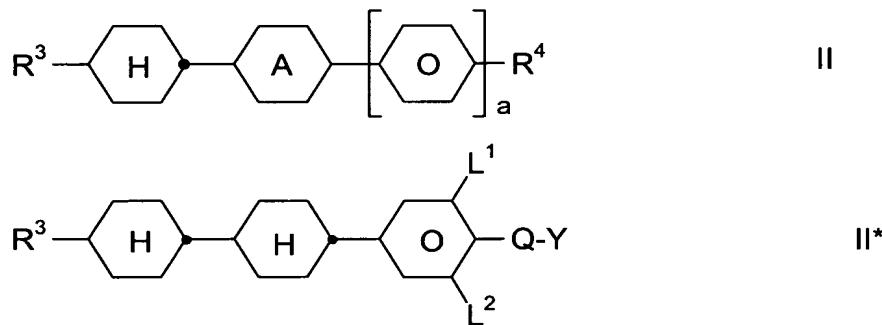
directly to one another,

L is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

r is 0, 1, 2, 3 or 4,

wherein said medium comprises 5 to 30 % of compounds of formula I;

said medium further comprising 10 to 50 % of compounds selected from formula II and II\*,



wherein

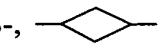
A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R<sup>3</sup> in formula II is an alkenyl group having from 2 to 9 carbon atoms,

R<sup>3</sup> in formula II\* is an alkenyl group with 2 to 7 carbon atoms,

R<sup>4</sup> is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, and wherein one or more

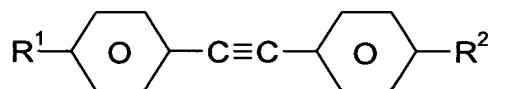
$\text{CH}_2$  groups are each, independently of one another, optionally replaced by  $-\text{O}-$ ,  $-\text{S}-$ ,  ,  $-\text{CH}=\text{CH}-$ ,  $-\text{C}\equiv\text{C}-$ ,  $-\text{CO}-$ ,  $-\text{CO-O-}$ ,  $-\text{O-CO-}$  or  $-\text{O-CO-O-}$  in such a way that O atoms are not linked directly to one another,

Q is  $\text{CF}_2$ ,  $\text{OCF}_2$ ,  $\text{CFH}$ ,  $\text{OCFH}$  or a single bond,

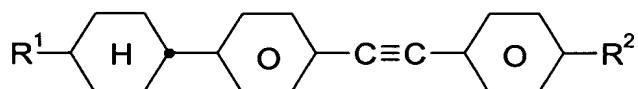
Y is F or Cl, and

$\text{L}^1$  and  $\text{L}^2$  are independently of each other H or F;

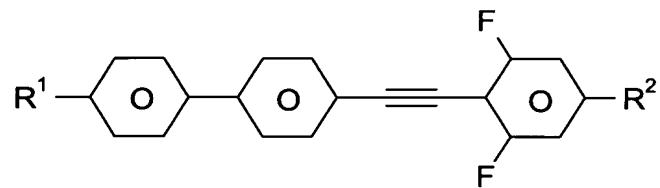
said medium further comprises 7 to 45 % of compounds selected formula Ta, Tb and Th,



Ta



Tb

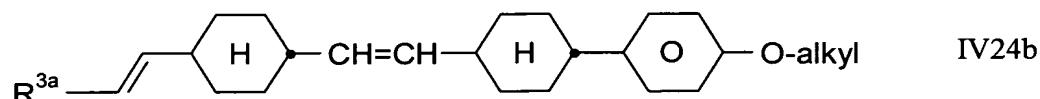
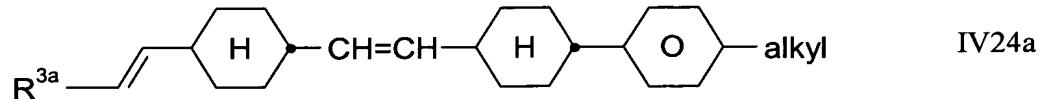


Th

wherein

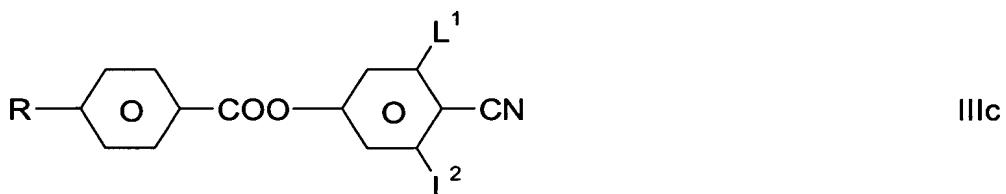
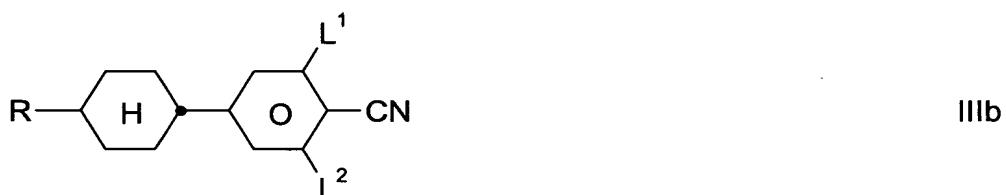
$\text{R}^1$  and  $\text{R}^2$  are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more  $\text{CH}_2$  groups are each, independently of one another, optionally replaced by  $-\text{O}-$ ,  $-\text{CH}=\text{CH}-$ ,  $-\text{CO}-$ ,  $-\text{OCO-}$  or  $-\text{COO-}$  in such a way that O atoms are not linked directly to one another;

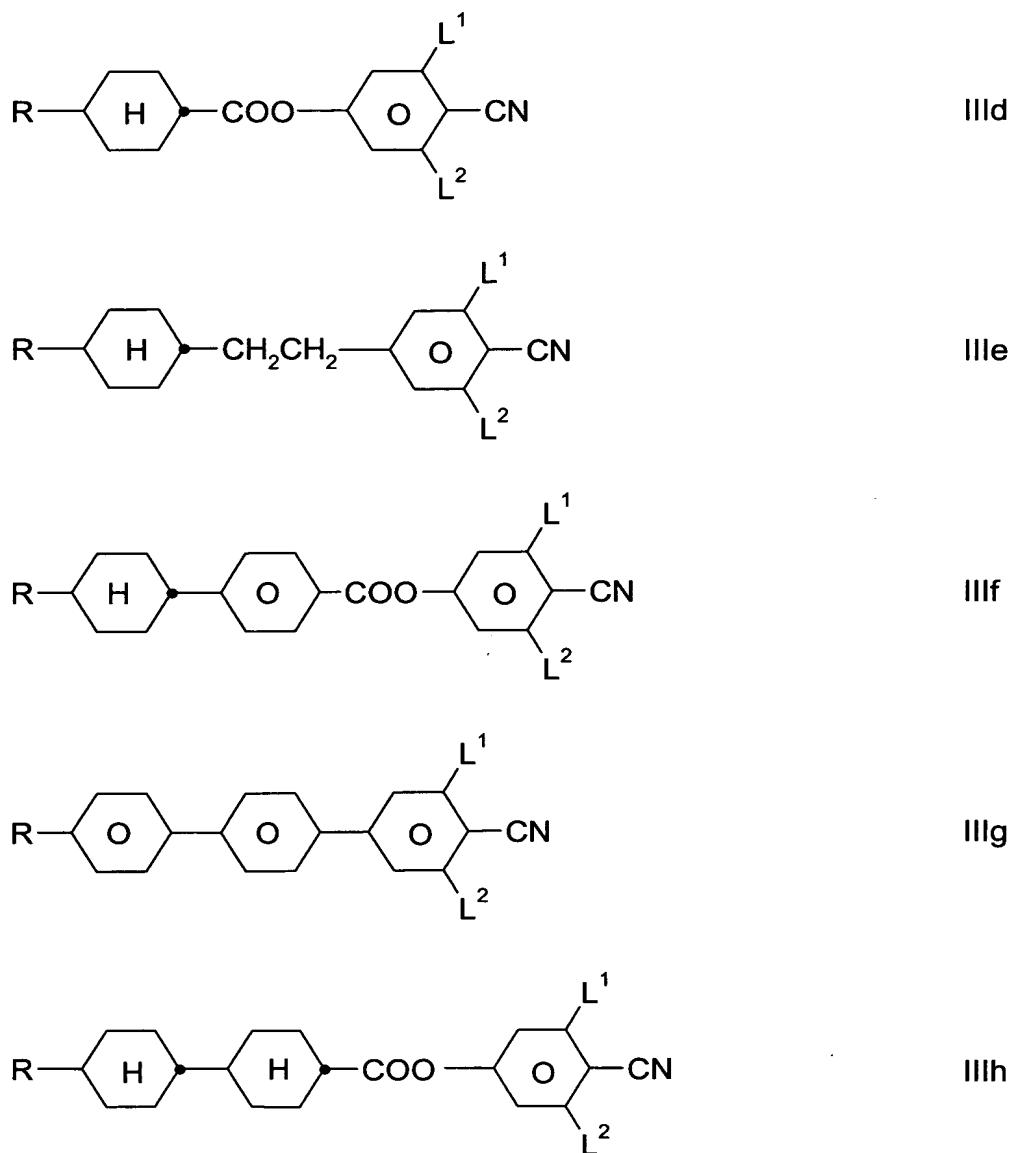
said medium further comprises 2 to 25 % of compounds selected from formula IV24a and IV24b,



wherein R<sup>3a</sup> is H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub> and alkyl is an alkyl group with 1 to 8 carbon atoms; and

said medium further comprises 8 to 40 % of compounds selected from formulae IIIa to IIIh



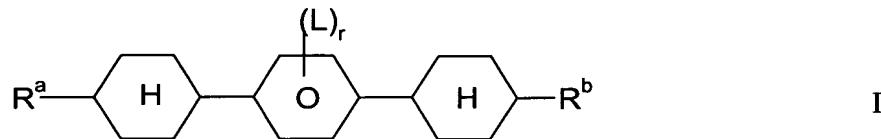


wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

$L^1$ ,  $L^2$  and  $L^3$  are independently of each other H or F.

20. (Currently Amended): A liquid-crystalline medium comprising: ~~two or more liquid crystal compounds wherein~~ at least one compound is of formula I



wherein

$R^a$  is an alkenyl group having from 2 to 9 carbon atoms,

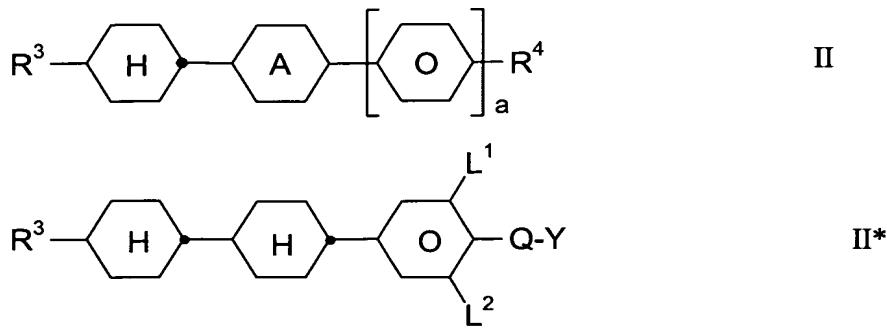
$R^b$  is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or  $CF_3$  or at least monosubstituted by halogen, and wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, -S-,  , - $CH=CH-$ , - $C\equiv C-$ , -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

$L$  is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

$r$  is 0, 1, 2, 3 or 4,

wherein said medium comprises 6 to 20 % of compounds of formula I;

said medium further comprising 10 to 40 % of compounds selected from formula II and II\*,



in which

A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R<sup>3</sup> in formula II is an alkenyl group having from 2 to 9 carbon atoms,

R<sup>3</sup> in formula II\* is an alkenyl group with 2 to 7 carbon atoms,

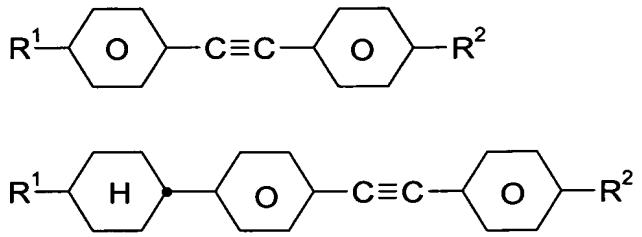
R<sup>4</sup> is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, and wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -S-, ——, -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

Q is CF<sub>2</sub>, OCF<sub>2</sub>, CFH, OCFH or a single bond,

Y is F or Cl, and

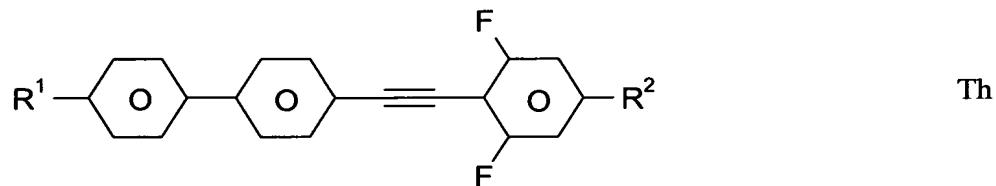
L<sup>1</sup> and L<sup>2</sup> are independently of each other H or F;

said medium further comprising 10 to 30 % of compounds selected formula Ta, Tb and Th,



Ta

Tb

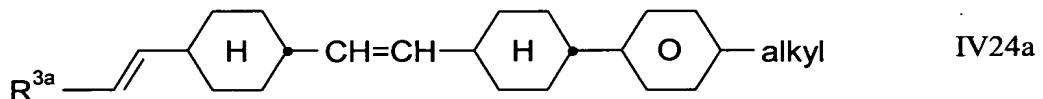


Th

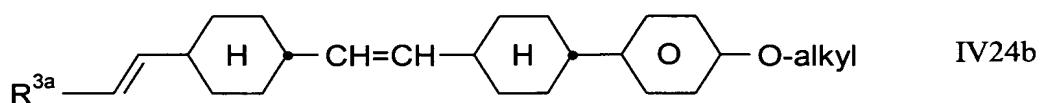
wherein

$R^1$  and  $R^2$  are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more  $CH_2$  groups are each, independently of one another, optionally replaced by -O-, - $CH=CH$ -, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another;

said medium further comprising 3 to 20 % of compounds selected from formula IV24a and IV24b,



IV24a

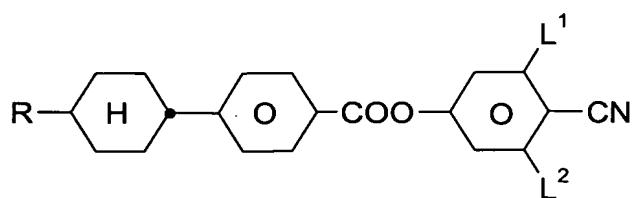
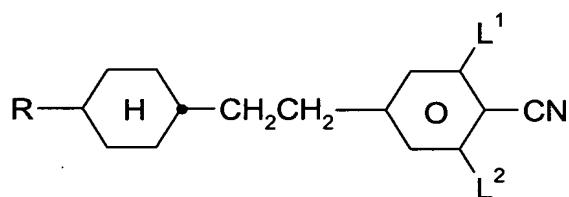
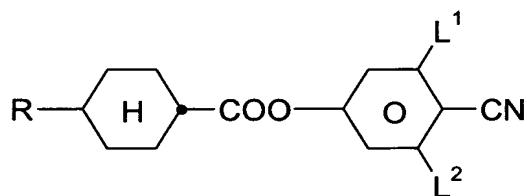
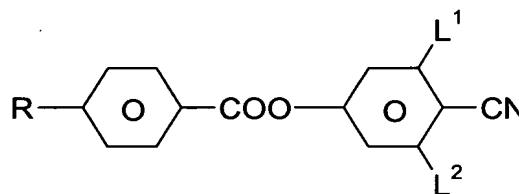
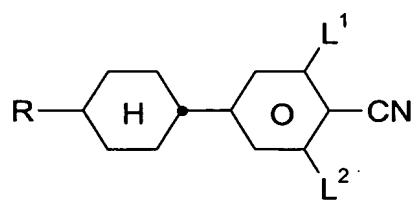
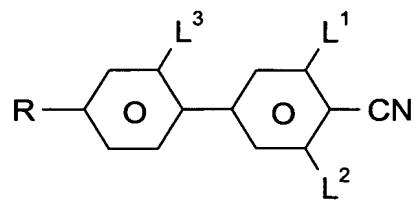


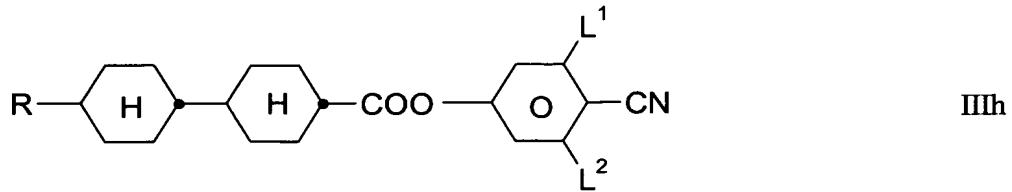
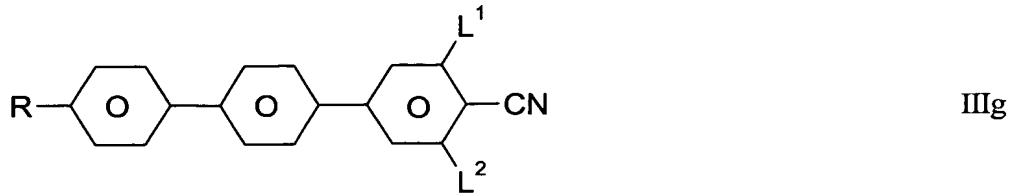
IV24b

wherein  $R^{3a}$  is H,  $CH_3$ ,  $C_2H_5$  or  $n-C_3H_7$  and alkyl is an alkyl group with 1 to 8 carbon atoms; and

said medium further comprising 10 to 30 % of compounds selected from formulae IIIa

to IIIh





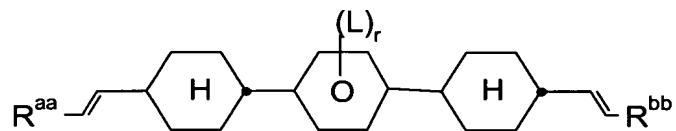
wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

L<sup>1</sup>, L<sup>2</sup> and L<sup>3</sup> are independently of each other H or F.

21. (Cancelled):

22. (Currently Amended): A compound of the formula



wherein r is 0-1, 2, 3 or 4, L is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and R<sup>aa</sup> and R<sup>bb</sup> are each CH<sub>3</sub>.

23. (Previously Presented): The compound of the formula



24. (Currently Amended): An electro-optical liquid-crystal display containing a ~~liquid-crystalline~~ compound according to claim 21.

25. (Cancelled):

26. (Previously Presented): An electro-optical liquid-crystal display containing a liquid-crystalline compound according to claim 23.

27. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein R<sup>a</sup> is vinyl, prop-1-enyl, prop-2-enyl, but-1-enyl, but-2-enyl, but-3-enyl, pent-1-enyl, pent-2-enyl, pent-3-enyl or pent-4-enyl.

28. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein R<sup>b</sup> is vinyl, prop-1-enyl, prop-2-enyl, but-1-enyl, but-2-enyl, but-3-enyl, pent-1-enyl, pent-2-enyl, pent-3-enyl or pent-4-enyl.

29. (Previously Presented): A liquid-crystalline medium according to claim 27, wherein R<sup>b</sup> is vinyl, prop-1-enyl, prop-2-enyl, but-1-enyl, but-2-enyl, but-3-enyl, pent-1-enyl, pent-2-enyl, pent-3-enyl or pent-4-enyl.

30. (Previously Presented): A liquid-crystalline medium according to claim 1, wherein at least one of R<sup>a</sup> and R<sup>b</sup> is hex-1-enyl, hex-2-enyl, hex-3-enyl, hex-4-enyl, hex-5-enyl, hept-1-enyl, hept-2-enyl, hept-3-enyl, hept-4-enyl, hept-5-enyl, hept-6-enyl, oct-1-enyl, oct-2-enyl, oct-3-enyl, oct-4-enyl, oct-5-enyl, oct-6-enyl, oct-7-enyl, non-1-enyl, non-2-enyl, non-3-enyl, non-4-enyl, non-5-enyl, non-6-enyl, non-7-enyl or non-8-enyl.

31. (Previously Presented): A liquid-crystalline medium according to claim 1,

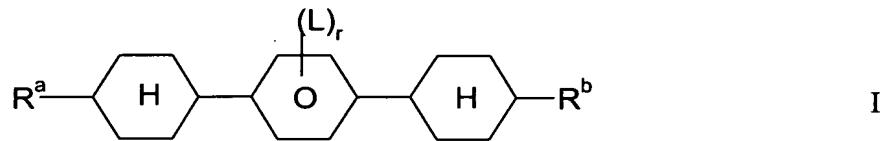
wherein at least one of R<sup>a</sup> and R<sup>b</sup> is 1E-propenyl, 1E-butenyl, 1E-pentenyl, 1E-hexenyl, 1E-heptenyl, 3-butenyl, 3E-pentenyl, 3E-hexenyl, 3E-heptenyl, 4-pentenyl, 4Z-hexenyl, 4E-hexenyl, 4Z-heptenyl, 5-hexenyl, or 6-heptenyl.

32. (Previously Presented): A compound according to claim 13, wherein L is F, Cl, CN, CF<sub>3</sub>, or OCF<sub>3</sub>.

33. (Previously Presented): A compound according to claim 13, wherein R<sup>b</sup> is alkenyl with 2 to 9 carbon atoms.

34. (Previously Presented): A compound according to claim 32, wherein R<sup>b</sup> is alkenyl with 2 to 9 carbon atoms.

35. (Previously Presented): A liquid-crystalline medium, comprising two or more liquid crystal compounds wherein at least one compound is of formula I



wherein

R<sup>a</sup> is an alkenyl group having from 2 to 9 carbon atoms,

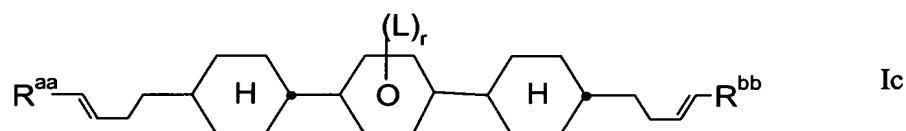
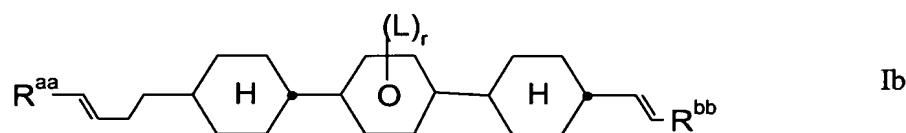
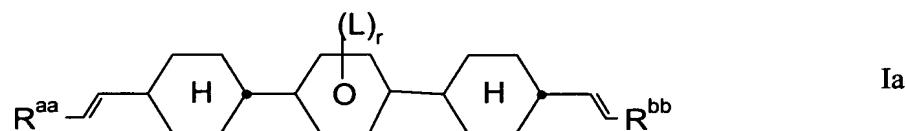
R<sup>b</sup> is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF<sub>3</sub> or at least monosubstituted by halogen, and wherein one or more CH<sub>2</sub> groups are each, independently of one another, optionally replaced by -O-, -S-, ——, -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

L is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

r is 2; and

wherein the phenyl ring is substituted by L in 3- and 5-position.

36. (New): A liquid-crystalline medium according to claim 1, wherein said medium comprises at least one compound of formula I selected from the following formulae



wherein R<sup>aa</sup> and R<sup>bb</sup> are independently of each other H, CH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub> or n-C<sub>3</sub>H<sub>7</sub>.